

CENTRAL INTELLIGENCE AGENCY

REPORT

## INFORMATION REPORT

CD NO.

COUNTRY Germany (Russian Zone)/USSR

DATE DISTR. 24 FEB 50 50X1-HUM

SUBJECT Manufacture of Metal Ceramic Tubes

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1.

manufacture of metal ceramic tubes

it was intended to start the manufacture of these tubes in Novosibirsk.

2.

In May 1949 a questionnaire was received by the OSW, which covered nearly all aspects of the manufacture of metal ceramic tubes. Special emphasis was placed on the sealing of the tubes. The questions seemed to indicate that the Russians had not made much progress in their manufacture. At the same time, it was heard in the OSW that Dr. Richter, a specialist in metal ceramics, was in Novosibirsk.

3.

In May 1949, an order was received at the OSW for 120 of each of the following: LD6, LD7, LD9, and LD12. All were to be delivered to the USSR.

4.

The 5 D 21 and 829 B are two tubes used in conjunction in one of the standard German airborne radar sets. In December 1948, 2,000 of each were manufactured in the OSW to a strict specification for delivery to the USSR. Manufacture was then stopped.

these tubes were being made to a higher standard in the USSR, although emission was not entirely satisfactory.

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5.

In May 1949 an urgent order for three thousand 5 D 21 and two thousand 829 B tubes was received by the OSW. The factory management complained that they would be unable to complete this order because of a lack of molybdenum foil for the former, and nickel wire for the latter. The Russians said that the order was very urgent, and that they would provide some. They have not done so, but the factory itself has managed to obtain some molybdenum foil and the work on the order for 5 D 21 is continuing.

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